

What is claimed is:

1. An open web trimmable truss assembly, comprising:  
a pair of chord members, each chord member including a mortise and a trimmable end block groove;  
5 a web element having a pair of opposed tenons, each tenon being engaged with mortise of one chord member, said web element further including a web element groove; and,  
a trimmable end block integrally connected with said pair of chord members along said trimmable end block groove and said web element along said web  
10 element groove,  
wherein said open web trimmable truss assembly is made of a wood containing material.
2. The truss assembly of claim 1, wherein said mortise is a single taper mortise, said single taper mortise being a centering taper.
- 15 3. The truss assembly of claim 2, wherein said centering taper is cut at an angle of about 45 degrees relative to a main axis of the chord member.
4. The truss assembly of claim 3, wherein the mortise and the tenon are sized to create an interference fit between the elements of about 0.005 to about 0.035 inches.
5. The truss assembly of claim 1, wherein said mortise is a double taper  
20 mortise, said double taper mortise including a centering taper and a locking taper.
6. The truss assembly of claim 4, wherein said centering taper is cut at an angle of about 45 degrees relative to a main axis of the chord member, and further wherein said locking taper is cut at an angle of about 5 degrees relative to a vertical plane along the main axis of the chord member.
- 25 7. The truss assembly of claim 6, wherein the mortise and the tenon are sized to create an interference fit between the elements of about 0.005 to about 0.035 inches.

8. The truss assembly of claim 1, wherein each of said opposed tenons are defined by a seat cut and a square cut, said seat cut and said square cut being formed at different angles relative to the web element major axis.

5 9. The truss assembly of claim 6, wherein said seat cut is about 45 degrees relative to a main axis of the web element.

10. The truss assembly of claim 6, wherein said square cut is about 90 degrees relative to a main axis of the web element.

11. The truss assembly of claim 1, wherein the wood containing material of the chord member and the web element is laminated strand lumber.

10 12. The truss assembly of claim 1, wherein the wood containing material of the trimmable end block is an oriented strand board.